

102-40-57

113-13

TOM CREEK

K 153

55°15.5' N. 132°22.5' W.

Previous No. 135A

KETCHIKAN, CLARENCE STRAIT, CHOLMONDELEY SOUND, WEST ARM, S. shore 4 miles from head.

MAJOR SPECIES Pink, chum

OTHER SPECIES

ESCAPEMENT TIMING Late. Sep.-Oct. (Est.)

SPAWNING FACILITIES Good.

STREAM TEMPERATURES Warm range. (No observed temperatures.)

VALLEY DESCRIPTION Glacial origin. A steep-sided valley heading in a glacial cirque at the base of a 3,000' mountain. Heavy brush along stream banks. Valley is 2 miles in length.

DRAINAGE 2.3 square miles (polar planimeter). Precipitation fed. A large snowfield at the upper end of the valley contributes to the water source as well as surface runoff.

STREAM MOUTH IDENTIFICATION The stream enters the West Arm from the S. and is about half way between K 152 and K 154. A small tideflat, heavily wooded to the high tide mark, is found at the mouth.

ANCHORAGE Same as for K 154.

TRAILS AND SURVEY ROUTES Heavy brush and no trails make hiking difficult.

AERIAL SURVEY NOTES

INTERTIDAL ZONE

LENGTH 0.1 mile

AVERAGE WIDTH/DEPTH 50'/18"

GRADIENT AND VELOCITIES

BOTTOM

LOW TIDE LOCATION

HIGH TIDE LOCATION

SCHOOLING AREAS

SPAWNING AREAS

GENERAL NOTES Very little spawning occurs in this area.

UPSTREAM

LENGTH ACCESSIBLE 0.2 mile to Barrier Falls

AVERAGE WIDTH/DEPTH 30'-40'/10"

GRADIENT AND VELOCITIES Steep

BOTTOM Rock and bedrock.

MARKER DISTANCE

MARKER IDENTIFICATION

BARRIERS A 30' falls 0.2 mile upstream blocks all fish passage.

TRIBUTARIES

SCHOOLING AREAS

SPAWNING AREAS

GENERAL NOTES

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ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK		CHUM		OTHER SPECIES	REMARKS Adjective rating
			Live	Dead	Live	Dead	Live	
1937								
Oct 6	G	FWS	75,000		25,000			Very good. Several thousand at mouth
1940								
Sep 24	G	FWS	50,000					Excellent
1941								
Oct 3	G 1.5	FWS	100,000		15,000			Excellent. 10,000 at mouth
1942								
Sep 3	G 1.8	FWS			40			
Sep 22	G 1.8	FWS	35,000		25,000			Excellent. 40,000 at mouth
1945								
Sep 26	G 1.8	FWS	15,000		35,000			Excellent. 20,000 at mouth
1948								
Sep 29	G 0.1	FWS	100		250			Excellent. 1,000 fish off mouth

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